

Baseball Metrics

Web Platform Providing Information and
Game of Baseball Data



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CONTENTS

01. Background

02. Problem

- Target Analysis
- Target & Needs

03. Solution

- Solution
- Goal & Effects

04. Limitations

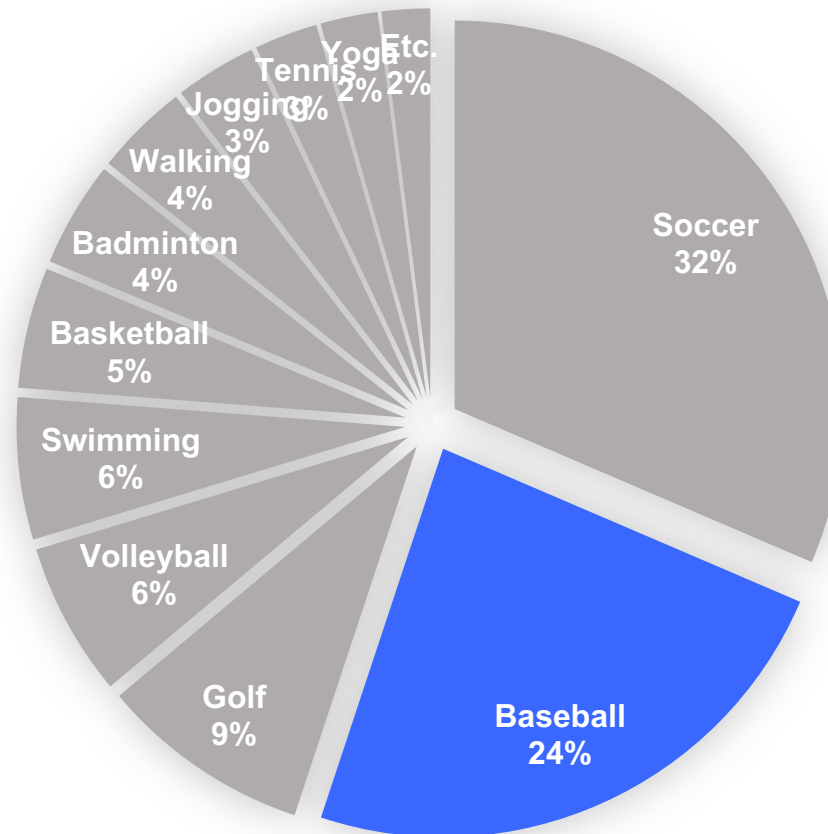
05. Action Plan

- Role
- Tech Stacks
- Project Schedule

01 Background

Background

Why Baseball?



Favorite Sports of Korean 2022

[Daily Sports Korea]

01 Background

Background

Why Baseball?

Due to its existing popularity,
changes in how players are evaluated have also affected baseball fans



**traditional
statistics**



**subjective
evaluation**



**data-driven
approach**

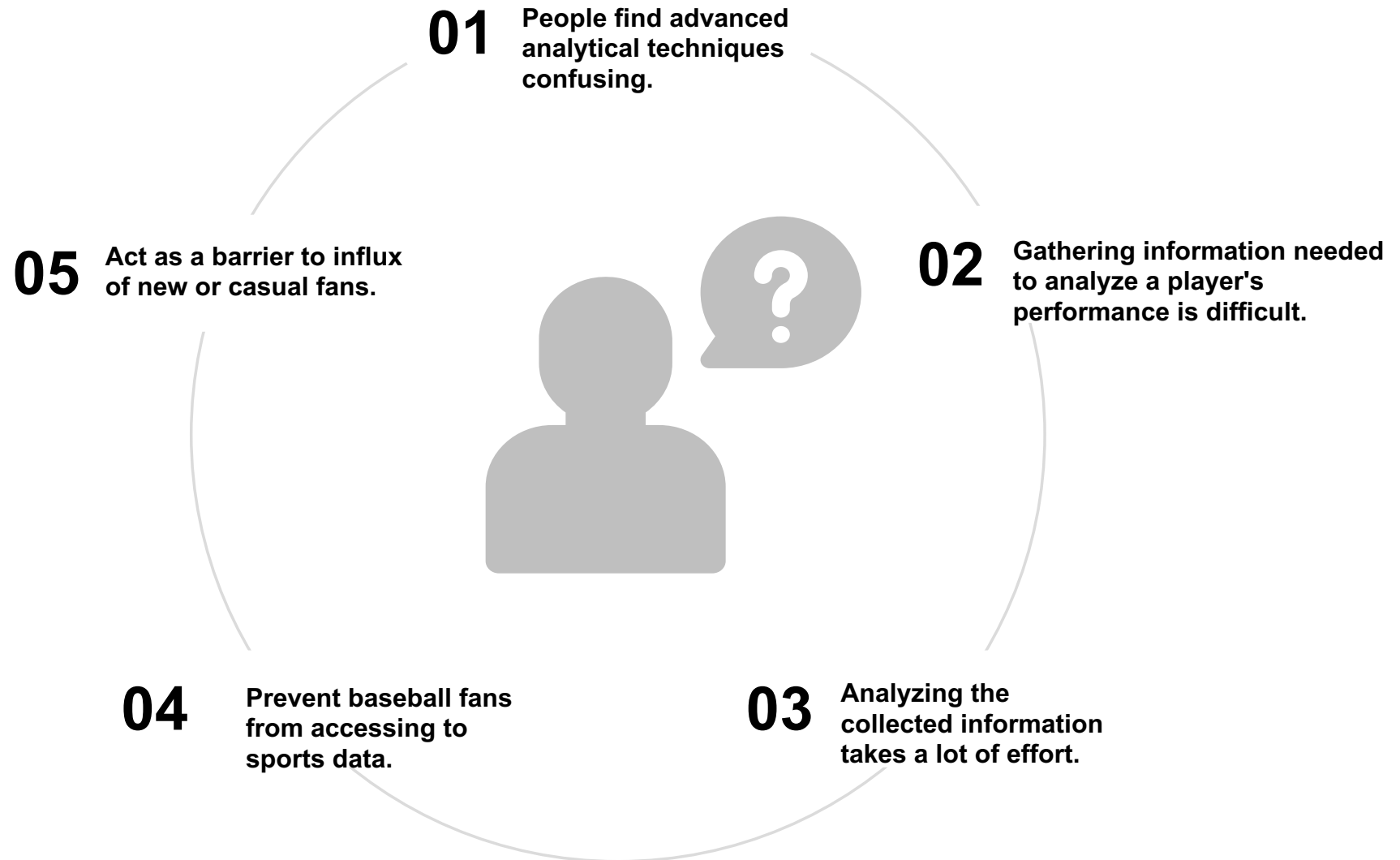


**nuanced
approach**

02 Problem

Problem

What is the painpoint?



02 Problem

Target Analysis

What kind of people are likely to be our user?

01

Highly Engaged Fans

professional baseball fans consist of a significant portion of dedicated and highly engaged fans

02

Interests in Analysis

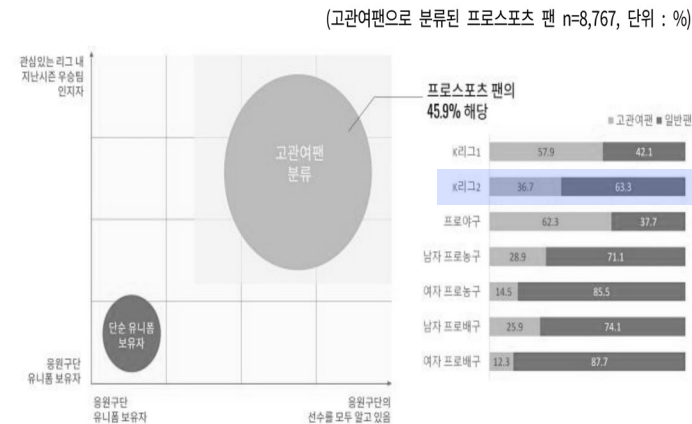
professional baseball fans have a strong interest in in-depth economic analysis content

03

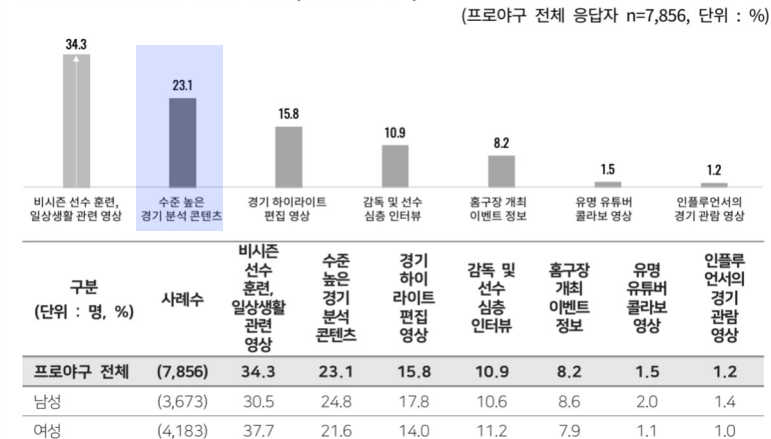
Usage of Online Media

these days sports fans are well-informed about current news and developments through online media

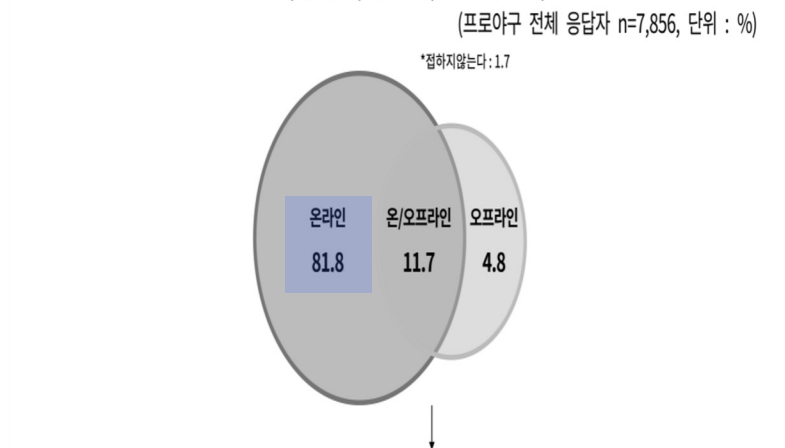
◎ 고관여팬 특성 (단위 : %)



◎ 흥행을 위해 필요한 온라인 콘텐츠(기타 응답 제외)



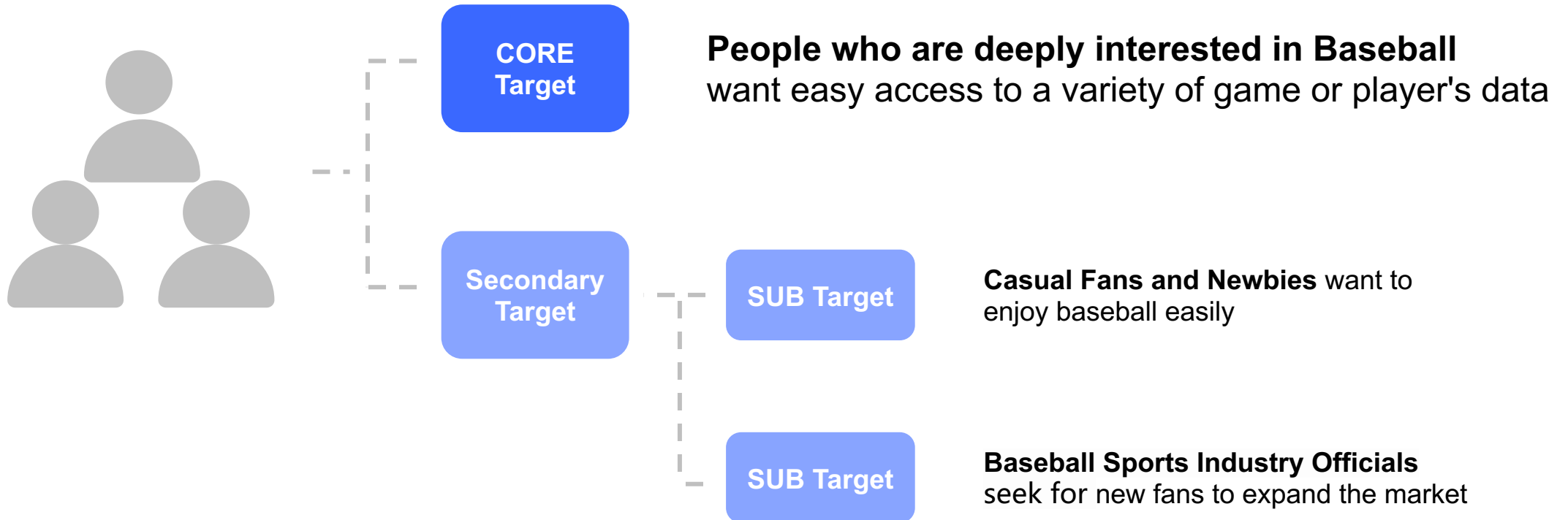
◎ 프로스포츠 관련 소식 인지 경로(복수응답) 및 매체(상위 5개 항목)



02 Problem

Target & Needs

Who will benefit from our service, and how?



Solution

A Web Platform that offers a range of user-friendly indicators that are related to the baseball and a simulation game with our new analytical model.

“

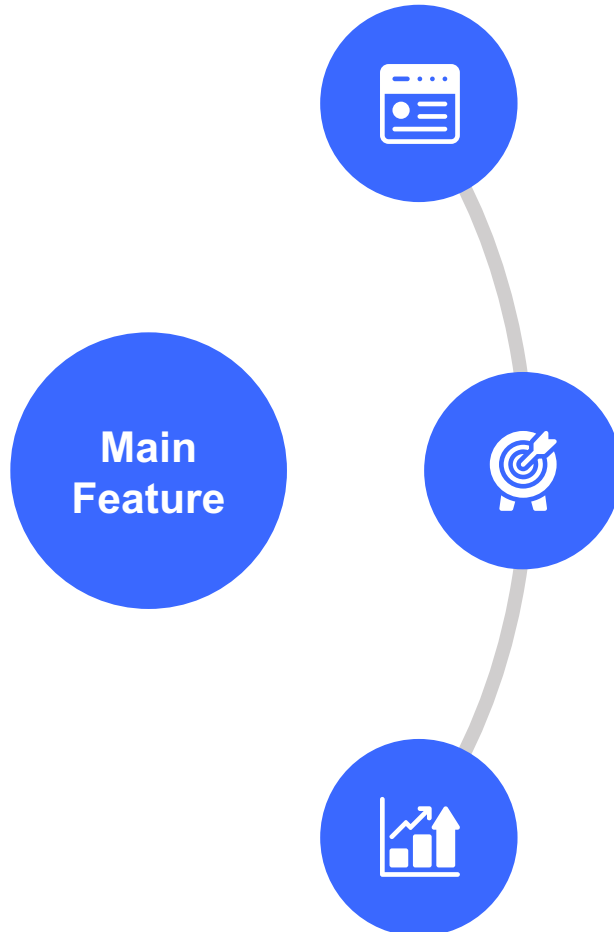
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**Web Platform Providing
Information and Game of Baseball Data**

03 Solution

Solution

How do we meet our target's needs?



Provide Information

Wiki style pages that offers comprehensible explanation of the baseball related indicators such as WHIP, BABIP, wRC+

Mini Game

Game building a baseball team with a new analytical model using sabermetrics. User can themselves experience estimating the winning rate.

Provide Advance Magic Number

While other platforms display the 'magic number' only for the first-place team, our platform provides the 'magic number' for a specific team to achieve a particular rank.

Goals & Effects

What do we want to achieve?

Better Game Enjoyment for New Fans

Learning about different baseball statistics and indicators makes watching games more exciting for new fans.



More Fun for Current Fans

Simulations make baseball more enjoyable for existing fans by helping them understand and analyze the coach's choices.

Positive Effects on Baseball Industry

This initiative will exert a favorable influence on the sports industry as a whole, by reducing the obstacles to accessing baseball-related information for a broader audience.

04 Limitation

Limitations

What is our challenge?

01.

Algorithm Complexity

Challenges arise when applying algorithms to various sabermetrics due to their intricate nature.

02.

Algorithm Validation

Ensuring the accuracy and reliability of results derived from internally developed algorithms presents difficulties.

03.

Data Collection

At the professional level, factors like ball rotation speed and movement are critical, but gathering precise records is challenging.

05 Action Plan

R&R

How are we going to contribute to the team?



Chaewon Ko

Planning & UX/UI Design
Frontend Development
Algorithm Research and Development



Changwoo Shim

Frontend Development
Backend Development
Algorithm Research and Development



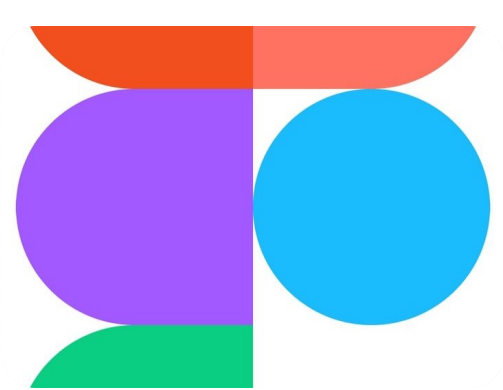
Hyeonchang Shin

Backend Development
Data Crawling
Algorithm Research and Development

05 Action Plan

Framework & Tools

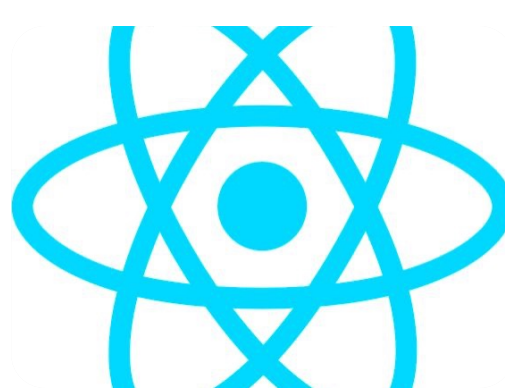
What do we use?



DESIGN

Figma

Notion for collaborative document and Figma for wireframe, UX/UI design



FRONTEND

React.js

Javascript and React.js for web frontend development



BACKEND

Node.js

Javascript and Node.js for web server development

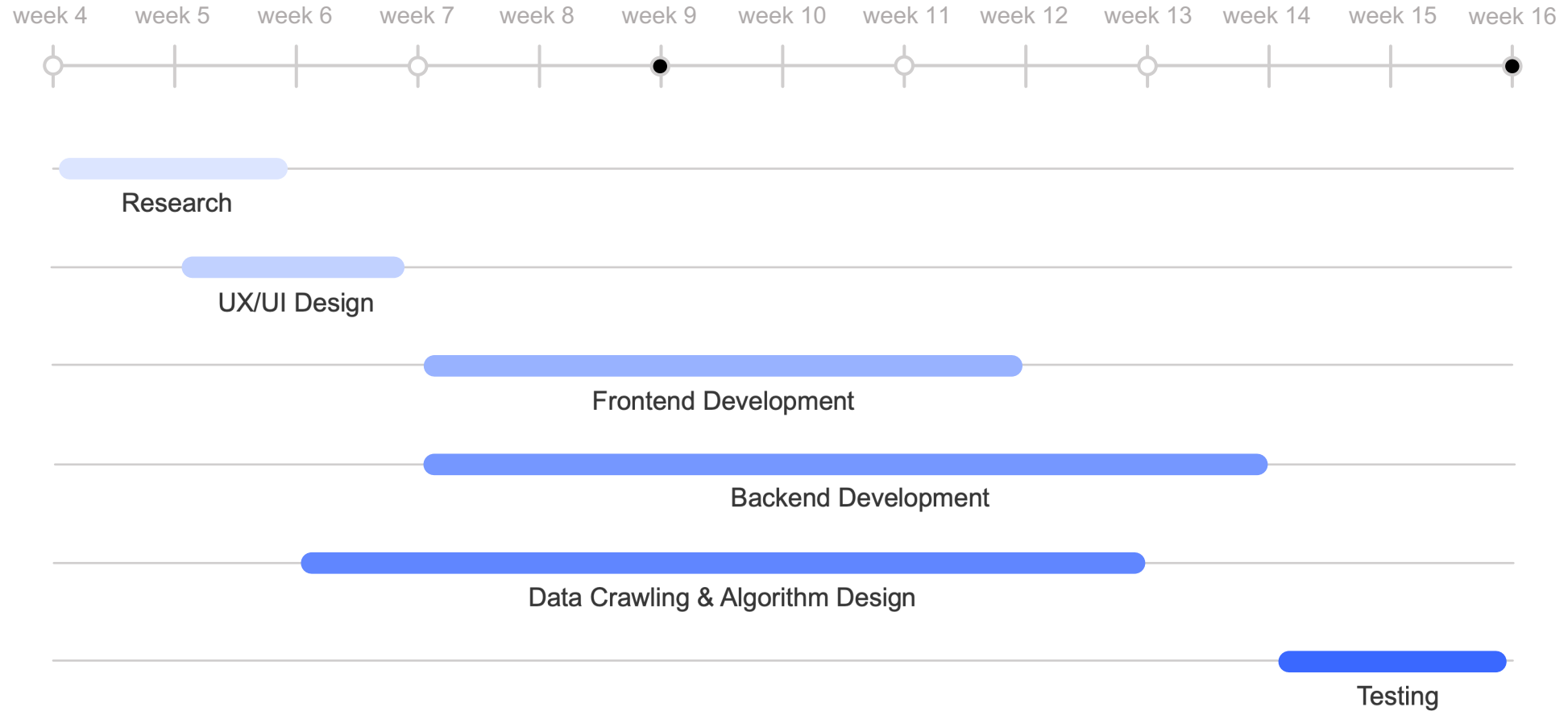


DATA

Python

Collect and analyze data with BeautifulSoup

Project Schedule



References

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Q&A